



Custom Track Service Projected Hours

FINNING INTERNATIONAL INC.

BRIGGS TRUCKING & EQUIPMENT

Prepared By: Tim Hankinson

Model	D8K	Job Site	--		Inspection Date	05Feb22	
Manufacturer	Caterpillar			<u>Left</u>	<u>Right</u>	Next Inspection Date	--
Serial Number	77V15886	Track Sag (44 mm - 57 mm)	--	--		Next Inspection Hours	--
Reference Number	D477V15886	Frame Ext	--	--		<u>Underfoot Conditions</u>	
Hour Meter Reading	17,311	Frame Ext %	--	--		Impact	--
Hours Per Week	--	Dry Joints	--	--		Abrasion	--
Total Odometer Reading	--	Link Roller System	57 %	60 %		Moisture	--
Forward Odometer	--					Packing	--
Reverse Odometer	--					Bushing Allowable Wear	Greater
Distance Per Week	--					Link Allowable Wear	Greater

Position	Part Number		Status		Hours on Wear Surface		Measurement (mm)		Percent Worn		Projected Hour Meter 100%		Projected Hour Meter 120%		
	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right	
Link Assembly															
Left : 8S0396			Right : 8S0396												
Track Link	7S9181	7S9181	Replaced	Replaced	2,311	2,311	134 (D)	134 (D)	26%	26%	23,888	23,888	25,666	25,666	
Bushing (Int)	8M2619	8M2619	Replaced	Replaced	2,311	2,311	920 (T)	920 (T)	34%	34%	21,797	21,797	23,156	23,156	
Bushing (Ext)	8M2619	8M2619	Replaced	Replaced	2,311	2,311	76.5 (C)	76.5 (C)	24%	24%	24,629	24,629	26,555	26,555	
Track Shoe															
Left Width: 660 mm						Right Width: 660 mm									
	1885613	1885613	Original	Original	5,290	5,290	55 (D)	55 (D)	58%	58%	21,142	21,142	22,966	22,966	
Idlers															
Front	9S7221	9S7221	Original	Original	5,290	5,290	30 (D)	30 (D)	86%	86%	18,172	18,172	19,402	19,402	
Carrier Roller															
Front	1885612	1885612	Original	Original	5,290	5,290	180 (C)	180 (C)	51%	51%	22,394	22,394	24,468	24,468	
2	1885612	1885612	Original	Original	5,290	5,290	180 (C)	180 (C)	51%	51%	22,394	22,394	24,468	24,468	
Track Roller															
Front	D	1885608	1885608	Original	Original	5,290	5,290	32 (D)	33 (D)	82%	88%	18,472	18,032	19,762	19,235
2	S	1885607	1885607	Original	Original	5,290	5,290	33 (D)	32 (D)	88%	82%	18,032	18,472	19,235	19,762

3	D	1885608	1885608	Original	Original	5,290	5,290	33 (D)	33 (D)	88%	88%	18,032	18,032	19,235	19,235
4	S	1885607	1885607	Original	Original	5,290	5,290	33 (D)	34 (D)	88%	94%	18,032	17,649	19,235	18,774
5	D	1885608	1885608	Original	Original	5,290	5,290	33 (D)	34 (D)	88%	94%	18,032	17,649	19,235	18,774
6	S	1885607	1885607	Original	Original	5,290	5,290	33 (D)	33 (D)	88%	88%	18,032	18,032	19,235	19,235
Sprocket															
		1885641	1885641	Original	Original	5,290	5,290	--	--	--	--	--	--	--	--
CONDITION: Worn								CONDITION: Worn							

(U) Ultrasonic | (C) Caliper | (D) Depth Gauge | (T) Tape | (E) Estimated

General Recommendations

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Union Tractor Dyno Test Information

Customer Name and WO# Briggs Trucking & Equipment Internal UTL WO# 201-301815
 Manufacturer LT Model D342
 Serial # 17s Machine Information
 Date December 1 / 2016 Technician Doug Rinas

Start Up Conditions

First Speed 1432 RPM First Oil Pressure P1 65 PSI
 First Torque 199 ft-lbs First Fuel Pressure P2 21 PSI
 First Load 8 % First Turbo Boost P3 0 PSI
 First Dyno Room Temp T4 64 °F First Dyno Outlet Temp T3 101 °F

Break In Sensor Spreadsheet

Speed(RPM)	Torque(ft-lbs)	Power(Hp)	Turbo Boost P3(PSI)	Oil Pressure P1(PSI)	Fuel Pressure P2(PSI)	Engine Coolant T1(°F)	Dyno Room Temp T4(°F)
1432	199	54	0	65	21	164	64
1412	389	105	1	64	20	168	64
1397	608	162	3	64	20	172	64
1383	805	212	6	64	19	168	64
1369	950	248	8	63	18	172	65
1346	1144	293	11	63	18	173	65
1336	1243	316	12	62	19	172	65
1325	1274	321	13	62	18	170	65
1309	1299	324	13	62	19	173	65
1170	1482	330	15	60	20	170	66

Peaks

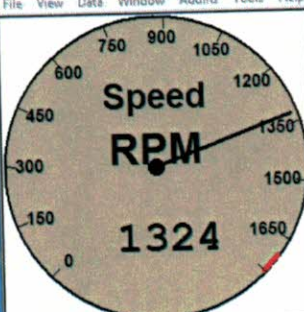
Peak Speed 1432 RPM Peak Torque 1482 ft-lbs
 Peak Power 330 Hp Peak Turbo Boost P3 15 PSI
 Peak Oil Pressure P1 65 PSI Peak Fuel Pressure P2 21 PSI
 Peak Engine Coolant T1 173 °F

Tech Notes During Test

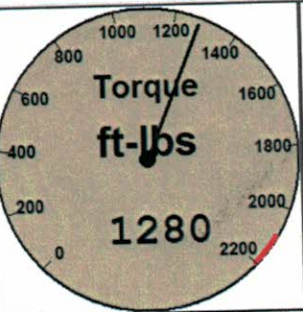
Engine starts and runs great. Fuel pressure low around 20 psi , normal is 50 psi .l. Coolant flow meter leaking , replaced with another old flow meter. Aftercooler line connecting to the tranny cooler frt housing is leaking coolant . Engine has good power and burns clean. Oil level good. Remove from dyno for paint and shipping.

D342 317HP@1330RPM.sas 12/1/2016 9:10:10 AM (8)

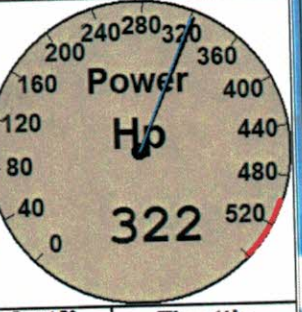
File View Data Window Address Tools Help



Speed
RPM
1324




Torque
ft-lbs
1280




Power
Hp
322

Oil Pressure P1




62
PSI

Fuel Pressure P2



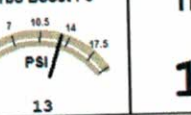
19
PSI

Engine Coolant T1



170
°F

Turbo Boost P3



13
PSI

Throttle %

100


Dyno Inlet water Pressure P4

53
PSI

Dyno Room Temp T4

65
°F

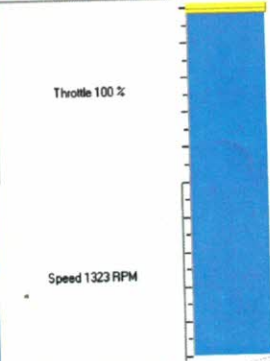
Dyno Outlet Temp T3



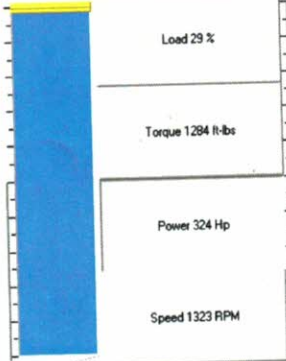
111
°F

LT Controller Interface

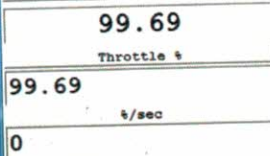
File Relays View Tools



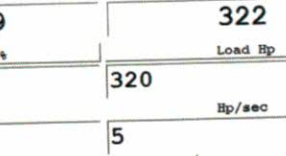
Throttle 100 %



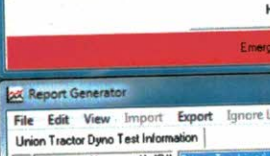
Load 29 %




Speed 1323 RPM



Torque 1284 ft-lbs



Power 324 Hp



Speed 1323 RPM

99.69
Throttle %

322
Load Hp

99.69
t/sec

320
Hp/sec

0
Home

5
Soft Stop

Emergency Stop

Pattern Runner

File Edit View Tools

<< Previous Play Pause Stop Next >> Start At

```

9) Th:100 & V:1330 RPM Rp@10 St: Setpoint=1330 Wait for 03 Grab
10) Th:100 & V:1300 RPM Rp@10 St: Setpoint=1300 Wait for 03 Grab
11) Th:100 & V:1280 RPM Rp@10 St: Setpoint=1280 Wait for 03 Grab
12) Th:100 & V:1200 RPM Rp@10 St: Setpoint=1200 Wait for 03 Grab
13) Th:100 & V:1180 RPM Rp@10 St: Setpoint=1180 Wait for 03 Grab
14) Th:100 & V:1100 RPM Rp@10 St: Setpoint=1100 Wait for 03 Grab
15) Th:100 & V:0 Hp Wait for 05:00
16) Th:1000 RPM V:0 Hp Wait for 05:00
    
```

Report Generator

File Edit View Import Export Ignore List

Union Tractor Dyno Test Information

1	Customer Name and WDI#	Buss, Trucking & Equipment LT
2	Print Screen	Ctrl-P 301815
3	Manufacturer	Cal
4	Model	D342
5	Serial #	17e
6	Machine Information	
7	Date	December 1 / 2016
8	Technician	Doug Rines



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Projected Hours

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CAT WMS

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